

Columbia Bottom Conservation Area 2009-2010 School Programs



Missouri Department of Conservation
Columbia Bottom Conservation Area
801 Strodtman Road
St. Louis, Missouri 63138



2009-2010
School Programs



Preschool and Kindergarten

Each program lasts 1 1/2 hours



Beaks & Feet *Offered October 6 - December 4, 2009 and February 2 - May 28, 2010*

Why is one beak slender and another beak stout? Are all bird feet alike? Could the differences have anything to do with bird lifestyles? Students discover the answers to these and other questions while exploring beak and feet stations before going outdoors to look for birds.

Fabulous Frogs *Offered April 6 - May 28, 2010*

Leap into the amazing world of frogs and toads through stories and hands-on activities. Students discover the fascinating life cycle of frogs and toads from egg to tadpole to adult. Students need to wear shoes and clothes that can get muddy because we will go on a frog hunt!

Floaters and Stickers: The Story of Seeds *Offered October 6 - December 4, 2009 and February 2 - May 28, 2010*

Whether a seed floats away on a breeze or hitches a ride from a wandering critter, it will need the right place and conditions to become a new plant. Through hands-on activities and stories students follow a seed's journey from the ground up... and away.

Furry and Four-Legged *Offered October 6 - December 4, 2009 and February 2 - May 28, 2010*

What's most often hairy and always had four legs? A Missouri mammal! Via craft and hands-on activities, students explore the characteristics common to all mammals as well as some of the differences. Students will be both indoors and outdoors.



First Grade Through Third Grade

Each program lasts 1 1/2 hours



Bird Buddies *Offered October 6 - December 4, 2009 and February 2 - May 28, 2010*

Students explore the adaptations that allow birds to survive in their habitats. Indoors, students learn which field marks and behavior will aid in the identification of birds. Students go outdoors with binoculars to practice their bird watching and identifying skills. Binoculars will be provided.

Fabulous Frogs SEE ABOVE DESCRIPTION

Journaling with Lewis and Clark *Offered October 6 - December 4, 2009 and February 2 - May 28, 2010*

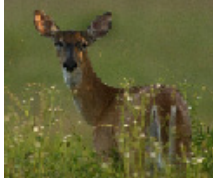
The journals of Lewis, Clark and other members of the Corps of Discovery give us a glimpse of what Missouri was like in 1804. Students observe the plants and animals found at Columbia Bottom Conservation Area today and create their own journal of discovery.



First Grade Through Third Grade (cont.)

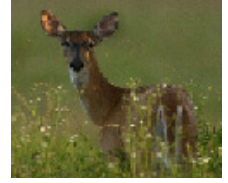
Wading into Wetlands *Offered April 6 - May 28, 2010*

From turtles to frogs to dragonflies, there is so much to discover in a wetland! Using nets to explore the muddy bottom, students discover the diversity of life found in a wetland. Wetland food chains and life cycles are discussed. Students need to wear shoes and clothes that can get muddy.



Fourth Grade Through 12th Grade

Each program lasts two hours



Aquatic Studies *Offered April 6 - May 28, 2010*

Students put the scientific process to work to determine how abiotic factors affect the health and diversity of aquatic ecosystems. Temperature, dissolved oxygen, PH and turbidity are tested and macroinvertebrate populations sampled. Aquatic ecosystems may include: big rivers, slough, temporary pool or seasonal wetland. (Certain ecosystems are dependent on rain and flooding may not always be available.)

Flying High *Offered October 6 - December 4, 2009 and February 2 - May 28, 2010*

Flying high or low, birds are especially adapted to their habitats and can be identified by their unique adaptations. Using bird mounts, students examine specific adaptations and identifying field marks. Students are introduced to bird behavior and use of binoculars before venturing outdoors for bird watching and identification. Binoculars are provided.

Journaling with Lewis & Clark *Offered Oct. 6 - December 4, 2009 and February 2 - May 28, 2010*

The journals of Lewis, Clark and other members of the Corps of Discovery give us a glimpse of what Missouri was like in 1804. Students observe the plants and animals found at Columbia Bottom Conservation Area today and create their own scientific journal of discovery.

Lewis and Clark Survivors *Offered October 6 - December 4, 2009 and February 2 - May 28, 2010*

Lewis & Clark faced many hardships and challenges on their journey up the Missouri River. Do your students have what it takes to survive such a journey? They hone skills to identify animals, draw a map, catch fish, hunt for food and work as a team.



Predator vs Prey: Adaptations *Offered October 6 - December 4, 2009 and February 2 - May 28, 2010*

Predator-prey relationships are an important part of the food web. Students explore the differences between being the predator vs. the prey and what adaptations enable survival. Students have hands-on experiences examining skulls, and other “predator/prey” activities.

NEW ! Columbia Bottom MEGA-Trek *Offered all year*

This 3 hour 5 mile hike will offer an opportunity to explore the area in depth. Topics covered can vary depending on season and preference. *Shorter seasonal hikes are also available.*

SPECIAL PROGRAM FOR 4th and 5th Grades:

Surviving the Wild Columbia Bottom Style

Fridays in March (March 5, 12, 19, 26)

10 a.m. - Noon

- The most basic survival needs are FIRE, WATER and SHELTER. Work together as a team to experience all three. Learn two primitive fire starting techniques and make your own edible "fire." See two ways to collect and purify water. Pitch a primitive shelter and try it out.
- Have a wild time as you find out if you can survive Columbia Bottom style.

Program Reservation Information

LOCATION:

Columbia Bottom Conservation Area is located north of I-270 on Columbia Bottom Road in north St. Louis County. Take I-270 east to Riverview Dr. Turn north on to Riverview, which turns into Columbia Bottom Road. Our entrance is on the right approximately 2.8 miles north of I-270.

PROGRAM COST AND SIZE:

All programs are FREE! The Columbia Bottom Conservation Area provides free environmental education and interpretive programs to organized groups of 15 or more. The program times can be adjusted to accommodate groups of 25 or more.

PROGRAM DATES AND TIMES:

- Please note date each program is offered.
- Programs are available between the hours of 9 a.m. and 3 p.m. Tuesday through Friday.
- Some programs can be presented at Bellefontaine Conservation Area.
- All programs include an outdoor portion.

RESERVATIONS:

- Call (314) 877-6019 ext 27, Monday through Friday from 8:00 a.m. to 4:00 p.m.
- Have one or two alternate dates in mind in case your first choice is already filled.
- Requests must be made a minimum of two weeks prior to the date of the program.

GRADE LEVEL EXPECTATIONS:

Our programs meet Grade Level Expectations. Please call for specific information.

